COVER

Precautions

Before you read anything else,
please observe the following:

WARNING

Uniden **DOES NOT** represent this unit to be waterproof. To reduce the risk of fire or electrical shock, **DO NOT** expose this unit to rain or moisture.

CAUTION

Changes or modifications to this product not expressly approved by Uniden, or operation of this product in any way other than as detailed by this Reference Guide, could void your authority to operate this product.

NOTE

The installation, possession, or use of this scanning radio in a motor vehicle may be prohibited, regulated, or require a permit in certain states, cities, and/or local jurisdiction. Your local law enforcement officials should be able to provide you this information regarding the laws in your community.

TABLE OF CONTENTS

INTRODUCTION

About Scanning

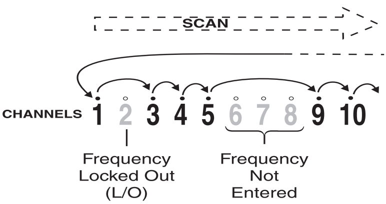
Scanning Options

Scanning is easy and fun with the BC244CLT 30-Channel Base Scanner. You can scan in 2 ways:

- Scan channels you have programmed
- Scan pre-programmed weather channels.

What is Scanning?

Unlike standard AM or FM radio stations, most 2-way communications do not transmit continuously (see Types of Communication below).

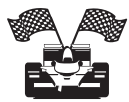


The BC244CLT scans programmed channels at a rate of up to 12 channels per second until it locates an active frequency. When the scanning stops on an active frequency, it remains on that channel as long as the transmission continues. When the transmission ends, the scanner stays on the channel for 2 more seconds, waiting for a responding transmission. If no responding transmission is detected, the scanning cycle resumes until another transmission is received.

Types of Communication

You can monitor communications such as:






- Police and fire department (including rescue and paramedics)
- NOAA weather broadcasts (7 pre-programmed channels)
- Business/industrial radio
- Motion picture and press relay
- Aircraft
- Auto racing frequencies
- Utilities
- Land transportation frequencies such as trucking firms, buses, taxis, tow trucks, and railroads
- Marine and amateur (ham radio) bands
- And many more in the 29-54MHz, 137-174MHz, and 406-512MHz ranges

You must program a frequency into each channel you want to use. If you do not have any known local frequencies to program, a Uniden representative should be able to provide you with a few sample frequencies.

Where to Obtain More Information

The Bearcat Radio Club and other similar hobby clubs have publications, information on computer bulletin boards, and contests for the radio enthusiast. See the enclosed printed material for more information. Additional information is also available through your local library.

Taking Proper Care of Your Scanner

- Do not use the scanner in high-moisture environments such as the kitchen or bathroom.
- Avoid placing the unit in direct sunlight or near heating elements or vents.
- Do not plug the scanner into an outlet controlled by a wall switch as it could cause clock reset.

Unpacking

Carefully check the contents against this list:

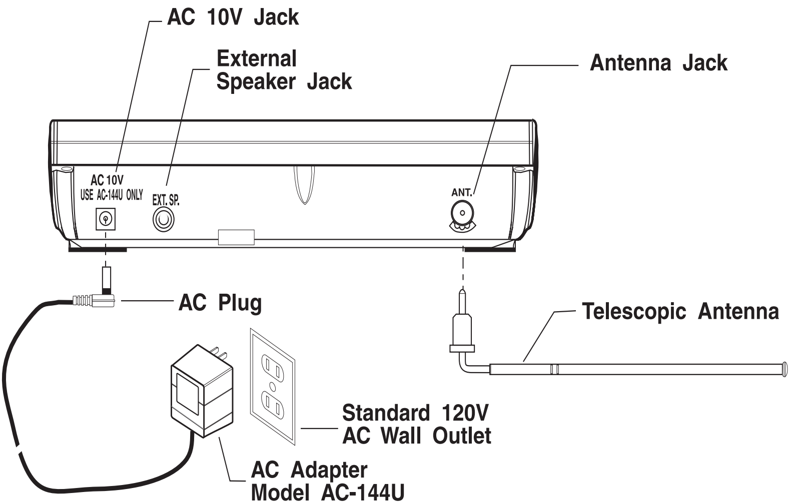
- BC244CLT Base Scanner
- Telescopic Antenna
- AC Adapter (Model AC-144U)
- This Reference Guide
- Registration Form
- Frequency Directories Order Form and other printed information

☞ If any items are missing or damaged, contact the Uniden Parts Department at (800) 554-3988. Hours are from 8:00a.m. to 5:00p.m. Monday through Friday, Central Time. We may also be reached at www.uniden.com.

☞ Complete and mail your Registration Form immediately.

☞ Read this Reference Guide thoroughly before operating the scanner.

Installing the BC244CLT



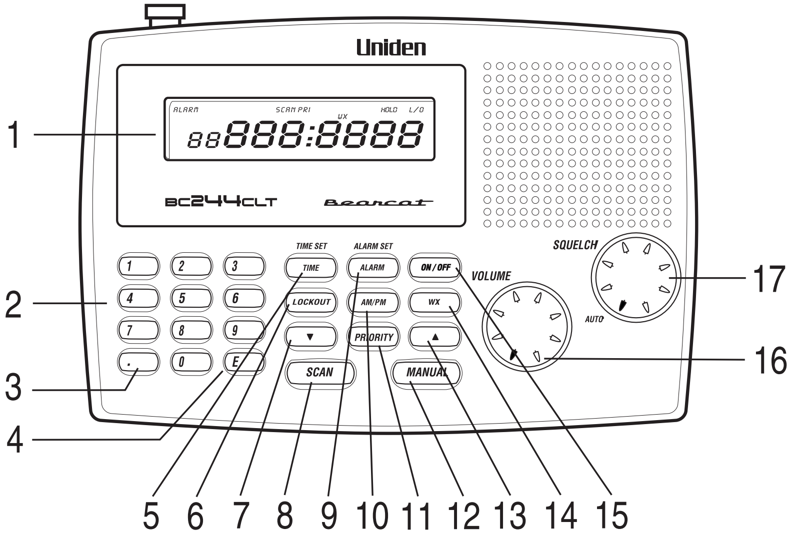
1. Insert the small plug at the end of the AC Adapter cord into the AC 10V jack on the scanner.
2. Plug the AC Adapter into any standard 120VAC wall outlet. Do not plug into an outlet controlled by a wall switch; it could cause clock reset.
3. Plug the Telescopic Antenna into the ANT. jack. Extend the antenna to its full height. For UHF frequencies, shortening the antenna may improve the reception.
4. Plug an optional external speaker (8-ohm) into the EXT. SP. jack.

NOTE *If your scanner receives strong interference or electrical noise, relocate the scanner or its antenna away from the source.*

NOTE *If you are operating the scanner in a fringe area or need to improve reception, use an optional antenna designed for multi-band coverage. (You can purchase this type of antenna at a local electronics store.) If the optional antenna has no cable, use a 50-70 ohm coaxial cable for lead-in. You may need a mating plug for the optional antennas.*

OPERATION

Controls and Functions



1. **LCD Display** Displays time, channel, frequency, and functions. (Page 6)

2. **Numeric Keys** Use to program a frequency into each channel for scanning. Also, use for time entries and direct channel access with ***MANUAL*** key.

3. **Decimal Key** Press to enter the decimal point in the frequency. Also, use for clearing mistakes during entries by pressing twice.

4. ***E*** **Key** Enters the frequency or time setting into memory.

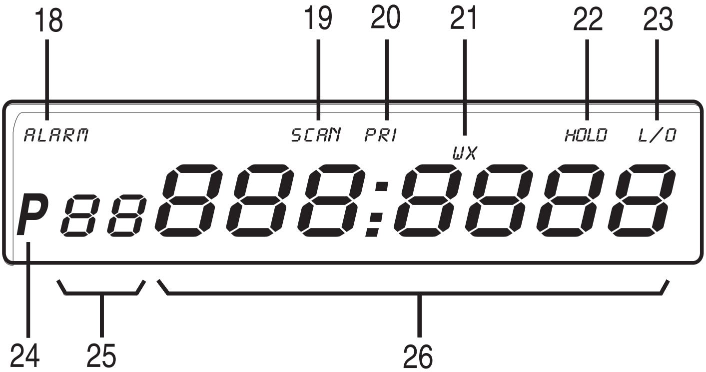
5. ***TIME*** **Key** Press to view and set time.

6. ***LOCKOUT*** **Key** Prevents scanning of the displayed channel. The ***L/O*** indicator appears when the current channel is locked out. Lockout is retained in memory. Press ***LOCKOUT*** again to unlock the channel. Lockout is active only when the scanner stops on an active channel or a channel selected in Manual Mode.

7. **▼ Key** Steps down through the minutes in the clock mode, channels in the manual mode, or frequency in the weather mode.

8. ***SCAN*** **Key** Press to start scanning.

9. ***ALARM*** **Key**	Turns the alarm mode on or off.
10 ***AM/PM*** **Key**	Selects a.m. or p.m. while setting the clock time or alarm time.
11. ***PRIORITY*** **Key**	Turns Priority mode on or off. In Priority mode, the scanner samples the designated Priority Channel every 2 seconds. while in Scan or Manual Mode. If a transmission on the designated Priority Channel is detected, the scanner monitors that channel until no signal is present.
12. ***MANUAL*** **Key**	Stops scanning. Press ***MANUAL*** again to step to the next channel. Also, use for direct channel access by first entering the channel number and then pressing ***MANUAL*** to go directly to that channel.
13. **▲ Key**	Steps up through the minutes in the clock mode, channels in the manual mode, or frequency in the weather mode.
14. ***WX*** **Key**	Press to scan the local Weather Channels.
15. ***ON/OFF*** **Key**	Turns scanner on or off. Clock mode is still active when scanner is turned off.
16. ***VOLUME***	Turn clockwise to increase the volume. Turn counterclockwise to decrease the volume.
17. ***SQUELCH***	Adjusts the squelch threshold. Or, use ***AUTO*** for the factory setting.



18. **ALARM Indicator**	Appears when Alarm function is active.
19. **SCAN Indicator**	Appears when in Scan Mode.
20. **PRI Indicator**	Displays when Priority function is active.
21. **WX Indicator**	Displays when in Weather Mode.
22. **HOLD Indicator**	Displays when in Manual Mode.
23. **L/O Indicator**	Appears when the current channel is locked out.
24. **P Indicator**	Appears next to the channel that has been assigned as the current priority channel.
25. **Channel Display**	Represents the current channel **01** through **30.**
26. **Frequency/Time Display**	7-digit display that shows the current frequency and time. Last digit shows **A** for a.m. and **P** for p.m.

Scanning Overview

The BC244CLT has 30 memory channels. Each can be programmed to store one frequency within the band of frequency coverage. (For a listing of frequency ranges and bands, see Technical Specifications on page 26.)

When you press **SCAN**, the BC244CLT scans each programmed frequency for activity (skipping channels that are locked out) at the rate of about 12 channels per second. As the unit scans, the word **SCAN** moves across the display.

When the scanning stops on an active frequency, it remains on that channel as long as the transmission continues. When the transmission ends, the scanner stays on the channel for two more seconds, waiting for a responding transmission. If no responding transmission is detected, the scanning cycle resumes.

CLOCK SET-UP

Initial Clock Set-up

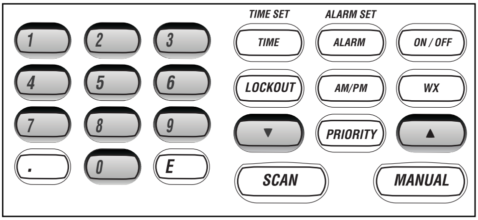
NOTE

You may bypass the steps to set the clock. The scanner will function as normal, but the clock and alarm features will not function. To set up clock and alarm time, simply turn scanner off.

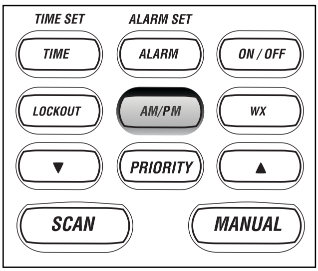
1. When power is initially applied, the display flashes 12:00 P after a short delay.



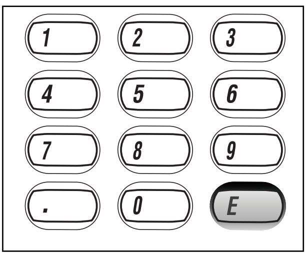
2. Enter the time directly by pressing the numeric keys.
   OR
   Enter the time by pressing the ▲/▼keys.



3. Press ***AM/PM*** to select the desired setting, either a.m. or p.m.

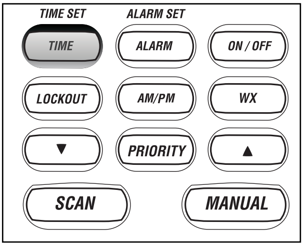


4. Press ***E*** to complete the entry. The display stops flashing.



Reset the Clock Time

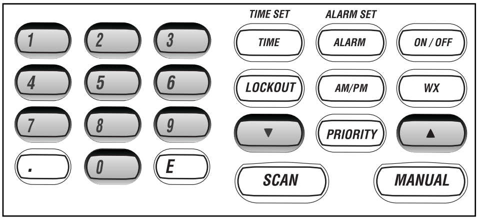
1. After the scanner has been turned on, to reset the clock time, simply press and hold the ***TIME SET*** key. The display digits flash.



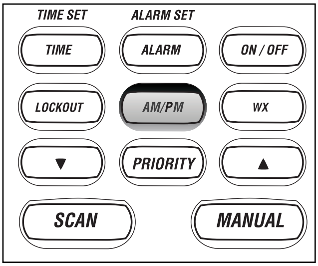
2. Enter the time directly by pressing the numeric keys.

   OR

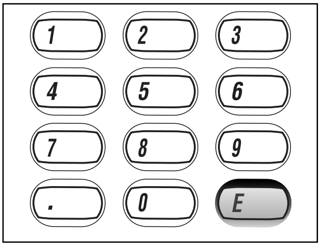
   Enter the time by pressing the ▲/▼keys.



3. Press ***AM/PM*** to select the desired setting, either a.m. or p.m.

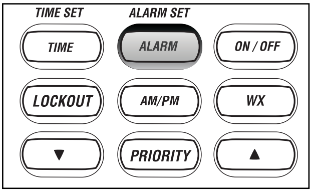


4. Press ***E*** to complete the entry. The display stops flashing.



Set the Alarm Time

1. After the clock time has been entered, press and hold ***ALARM SET*** until the time indicated and **ALARM** indicator flashes in the display.

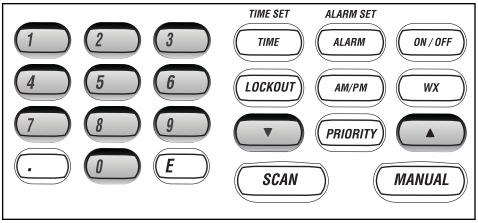




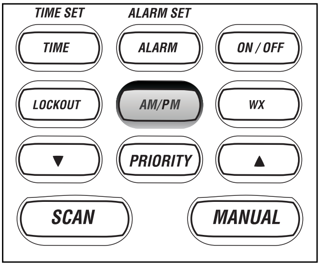
2. Enter the alarm time directly by pressing the numeric keys.

   OR

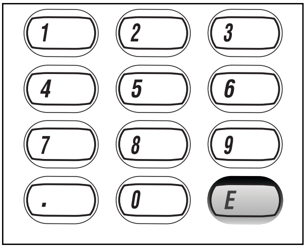
   Enter the time by pressing the ▲/▼keys.



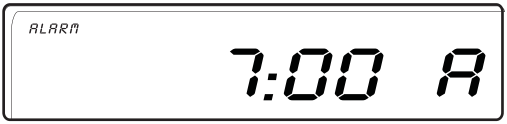
3. Press ***AM/PM*** to select the desired setting, either a.m. or p.m.



4. Press ***E*** to complete the entry.



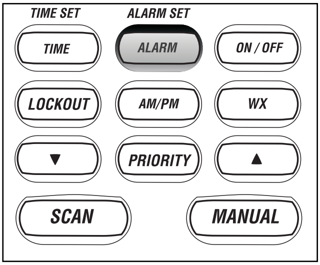
5. ALARM indicator and time stop flashing, but remain on.



6. The alarm time remains in the display for five seconds, then returns to current time.

Turn the Alarm On or Off

Press **ALARM** to toggle the alarm on or off. When the alarm is on, the **ALARM** indicator and current alarm time is displayed. When the alarm is off, only the current time displays.



When the alarm goes off, it will sound as a series of beeps gradually growing louder. The alarm will continue for approximately 15 minutes, if no action is taken.

Snooze function

To silence the alarm, simply press any key. This silences the alarm for about nine minutes. You can repeat this cycle for over an hour.

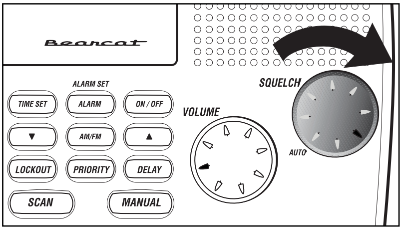
To turn the the alarm off after it has sounded, press **ALARM**. The **ALARM** indicator goes off and only the current time displays.

NOTE

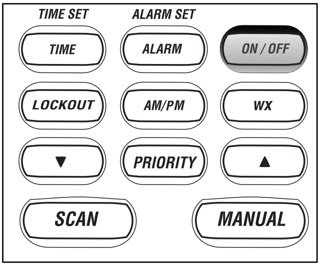
If you would like to listen to the scanner while waking up, turn the scanner on. The snooze function continues to operate while the scanner is turned on and in any mode.

Set the Squelch

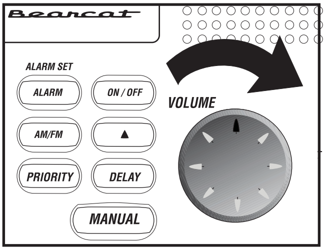
1. Turn ***SQUELCH*** fully clockwise to the highest setting.



2. Press ***ON/OFF*** to turn on the scanner.

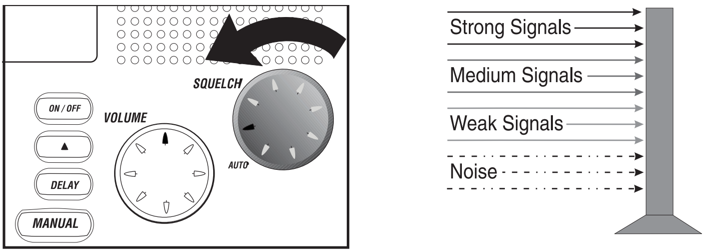


3. Adjust the ***VOLUME*** control until you can hear a steady noise.

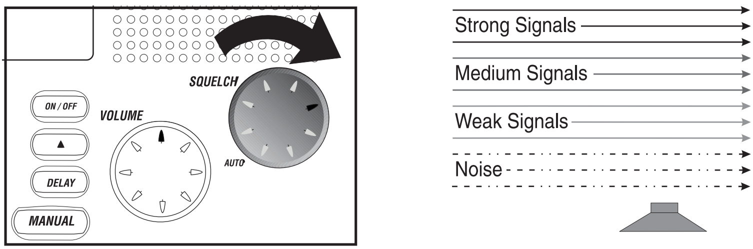


4. Set the ***SQUELCH*** control to ***AUTO*** for the factory setting. Or, manually set squelch as follows:

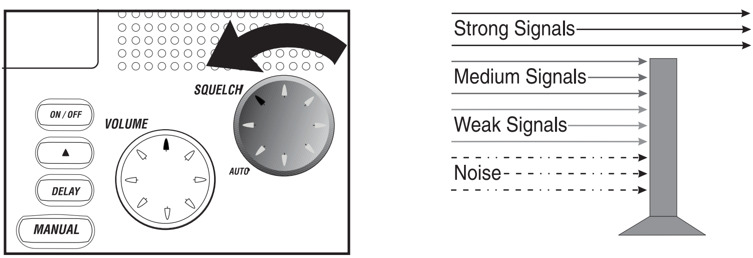
- Think of squelch as a gate. Turn ***SQUELCH*** fully counter clockwise. This raises the “Squelch Gate” so high that only very strong signals can get through.



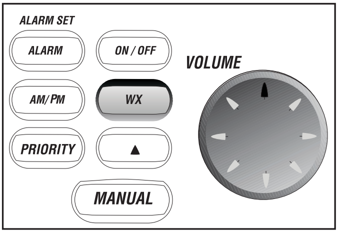
- Turn ***SQUELCH*** fully clockwise until you hear a hiss. This lowers the “Squelch Gate” so that everything gets through – noise, weak signals, and strong signals.



- Turn ***SQUELCH*** back counter clockwise until the hiss stops. Now the “Squelch Gate” allows only strong signals through.



5. The scanner automatically starts scanning. If you have not programmed any channels yet, press ***WX*** to hear your local weather broadcast.



6. Adjust ***VOLUME*** to a comfortable listening level.

Programming Tips

- Program one frequency per channel.
- Channel 1 is the location of the default priority channel. Program the most important frequency, or the one of major interest, into Channel 1. You may also select any other channel to be the priority channel.
- To quickly program a series of channels, start with the lowest number channel. For example, when you are programming five new frequencies into Channels 4 through 8, start with Channel 4. After you complete the programming in one channel (by pressing ***E***), press ***MANUAL*** to step up to the next channel.
- If you make an error during programming, or the frequency is out of range, Error appears on the frequency display.
- If you program the same frequency in two channels, the display will indicate the channel with the duplicate frequency. If you want to have two of the same frequencies on different channels, accept the entry by pressing ***E*** again.
- During numeric entry, if you know that you pressed the wrong number, press **.** (decimal point) until the entry is cancelled out. When the previous frequency is displayed, you may re-enter the frequency.
- Above 406MHz, the frequency steps are in 12.5kHz increments. To enter a frequency such as 450.4875, press each of the seven digits in sequence.

NOTE

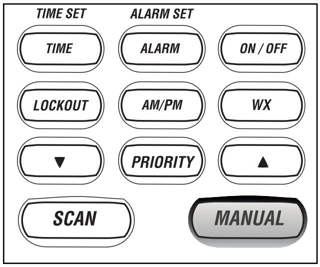
If All Loc Out *appears in the display, when you first turn the scanner on, this indicates that all the channel information has been manually erased. All channels are set to 0.0MHz. To clear this message, program the frequency and channel information as desired.*

Programming Frequencies

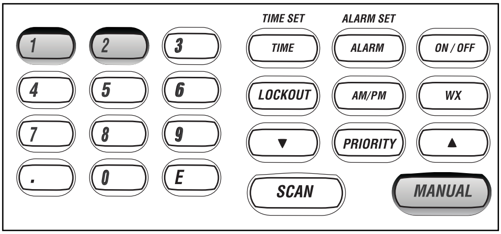
Before you can use your BC244CLT scanner, you must program the channels (except weather frequencies). Follow these steps:

Example: Program 420.150 MHz into Channel 12.

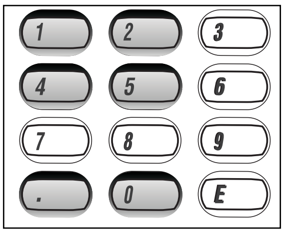
1. Press ***MANUAL*** to stop scanning.



2. To select the channel (12), press ***1***, then ***2*** on the numeric keypad. Then press ***MANUAL*** again.

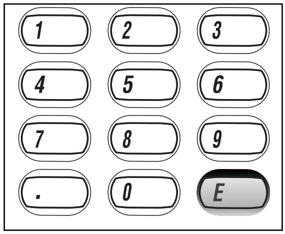


3. Type in the frequency numbers, including the decimal point, using the numeric keypad: 420.0150. Channel digits flash as you make the entry.





4. Press ***E*** to complete the entry. The channel digits stop flashing.

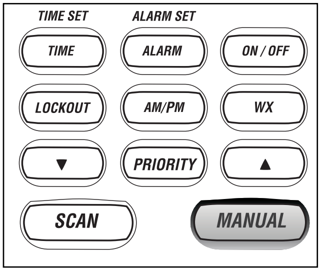


Deleting a Stored Frequency

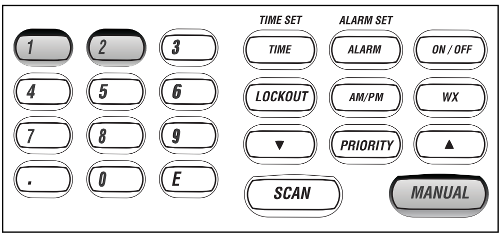
If you want to delete a stored frequency, follow these steps:

Example: Delete the frequency in Channel 12.

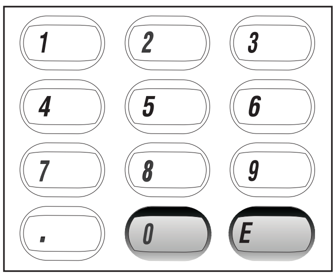
1. Press ***MANUAL*** to stop scanning.



2. To select the channel (12), press ***1***, then ***2*** on the numeric keypad. Then press ***MANUAL*** again.



3. Press ***0***, then ***E*** to complete the entry. The channel digits stop flashing.



4. The following screen appears.

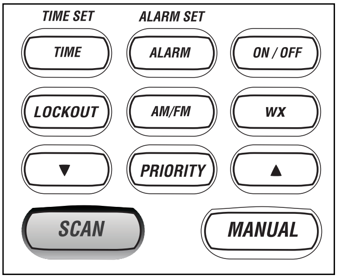


About Memory Back-up

Your BC244CLT has a convenient memory back-up system. In the event of a power failure, the scanner will retain channel information for an indefinite amount of time. Channel information is stored in non-volatile memory.

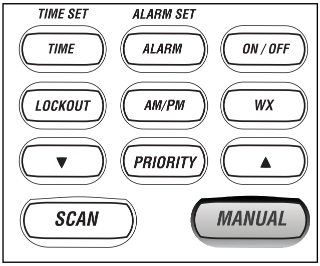
Scanning Mode

Press ***SCAN***. (When the scanner is first turned on, it is automatically in Scan mode.) Scanning automatically stops on any active channel, except those channels locked out.



Manual Mode

Press ***MANUAL*** any time to stop scanning. The scanner remains on the displayed channel. Press ***MANUAL*** to step up to the next channel. If desired, you can press ***MANUAL*** repeatedly to manually scan all 30 channels at one press per channel. This method includes all of the channels that are locked out. To scroll through the channels more quickly, press and hold ***MANUAL***. Press ***SCAN*** to start scanning again.

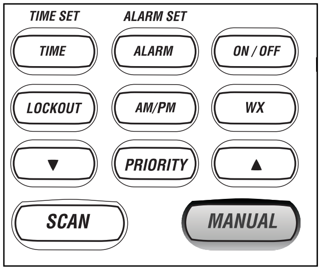


Direct Channel Access

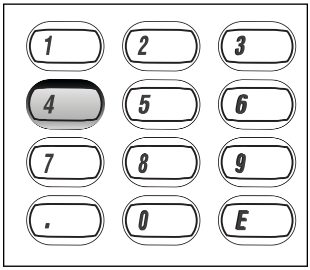
This feature allows you to instantly access a specific channel you want to monitor.

Example: Select Channel 4.

1. Press ***MANUAL*** to exit scan mode.



2. Press ***4***.



NOTE

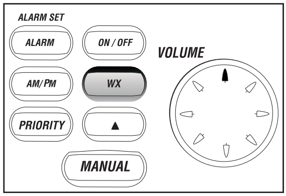
*When you press **4**, the display changes to 4, but the scanner still monitors the previous channel.*

3. Press ***MANUAL*** again to successfully complete the direct access to Channel 4.

Weather Channel Scan

The BC244CLT allows you to search from 7 pre-programmed NOAA channels for your local NOAA weather channel.

Press ***WX*** to find the active weather channel in your area. It is possible that your area is covered by more than one weather station.



NOTE

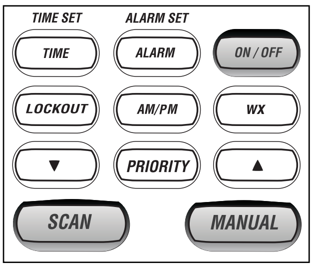
All weather channels transmit continuous broadcasts. Once the Weather Scan stops on a transmission, it remains on that channel. Weather Scan does not resume automatically. You must press ***WX*** *again to resume weather scanning.*

When you press ***WX***, the BC244CLT immediately finds an active broadcast. If the broadcast sounds weak and distant, press ***WX*** again to look for a closer station.

NOTE

In some parts of the country, you may not be able to monitor weather broadcasts, such as in low-lying areas. Normally a higher location improves the reception.

To exit Weather Channel Scan mode, press ***SCAN***, ***MANUAL***, or ***ON/OFF***.



NOTE

Do not program a weather frequency into one of the 30 channels. Because weather channels transmit continuously, the scanner remains on that channel, disrupting the scanning cycle. The Weather Scan feature is provided specifically to avoid this occurrence.

Priority Scanning

Priority Scan is like a dual watch function. When you activate Priority Scan mode, the scanner keeps track of the activity on the priority channel while scanning the other channels. A constant ***PRI*** appears on the display

NOTE

Priority Scan mode does not operate when the scanner is in Weather mode.

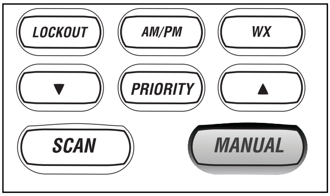
Every two seconds, the scanner checks the priority channel for activity. If a signal is found, the scanner remains on the priority channel until the transmission ends. If the signal stops for more than two seconds, normal scan operation resumes.

To Set the Priority Channel

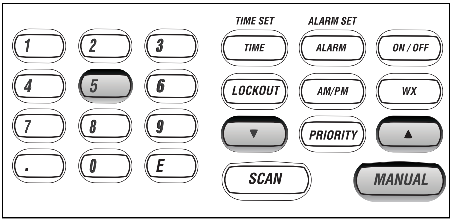
Your BC244CLT has a default Priority Channel, set at Channel 1. To change the priority channel, determine the frequency most important to you and program it into the desired channel location.

Example: To set Channel 5 as the priority channel.

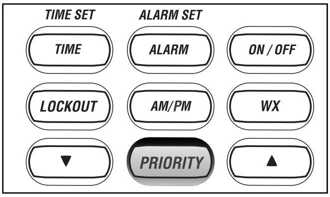
1. Press ***MANUAL*** to exit the Scan Mode.



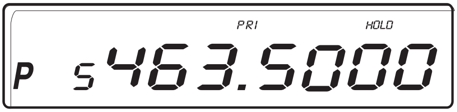
2. Select Channel 5 using the ▲ / ▼ keys. Or, press ***5*** then ***MANUAL*** for direct channel access.



3. Press and hold ***PRIORITY*** until a beep sounds.



The ***PRI*** indicator appears in the display and ***P*** indicator appears to the left of the selected channel.



To enter the Priority Scan Mode

When in Scan or Manual mode, press ***PRIORITY***. The ***PRI*** indicator appears in the display.

To exit the Priority Scan Mode

Press ***PRIORITY*** again. The ***PRI*** indicator goes out.

Channel Lockout

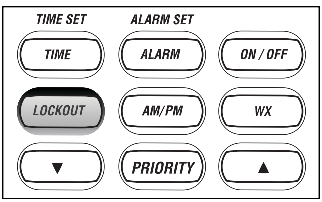
You can lock out a channel so it is not scanned. Channel Lockout does not erase the frequency from the channel. You can lock out up to 30 channels, including the Priority channel. Lockout information is retained in the memory when the scanner is turned off.

To Lock out a Channel

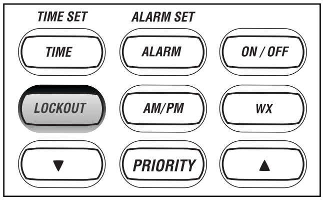
Example: Suppose you want to lock out Channel 2 because it stops on transmissions you don't want to hear.

Press ***LOCKOUT*** when the scanner stops on Channel 2.

The scanner locks out Channel 2 and resumes scanning.

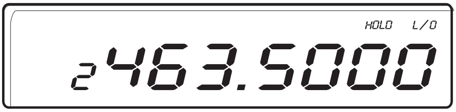


In the Manual mode, press ***LOCKOUT*** to lock out the displayed channel. Pressing ***LOCKOUT*** does not advance to the next channel in Manual mode.



L/O appears in the display to indicate the displayed channel is locked out.

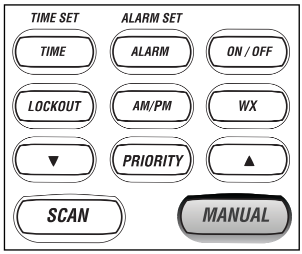
Whenever you want to search for channels that are locked out, press ***MANUAL*** repeatedly to go through all 30 channels. If a channel is locked out, the ***L/O*** indicator appears.



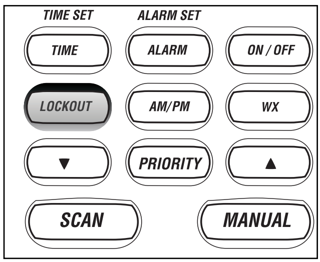
Restore a Locked Out Channel

To unlock a channel so that it can be monitored during scanning:

1. Press ***MANUAL*** repeatedly to find the locked out channel.



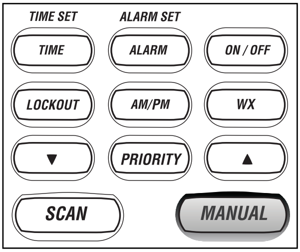
2. Press ***LOCKOUT*** again to unlock the displayed channel. The ***L/O*** indicator goes out.



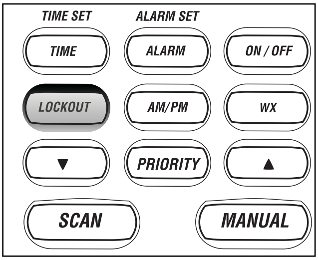
Restore all Locked Out Channels

To unlock all channels, you must be in Manual Mode.

1. Press ***MANUAL.***



2. Press and hold ***LOCKOUT*** until a beep sounds. The ***L/O*** indicator goes out on any channel previously locked out.



Helpful Hints

General Use

- Turn the scanner off before disconnecting the power.
- Always write down the programmed frequencies in the event of scanner memory loss.
- If scanner memory is lost, simply reprogram each channel. The display shows All Loc Out when there has been a memory loss.
- Always press each keypad button firmly until you hear the entry tone for that key.

Location

- If your scanner receives strong interference or electrical noise, relocate the scanner or its antenna away from the source of the noise. A higher elevation may provide better reception. Also, try changing the length or the angle of the antenna.
- Avoid placing the unit in direct sunlight or near heating elements or vents.
- Do not plug the scanner into an outlet controlled by a wall switch as it could cause the clock to reset.

Cleaning

- Disconnect the power to the unit before cleaning.
- To prevent scratches, do not use abrasive cleaners or solvents. Be careful not to rub the display window.
- Do not use excessive amounts of water.

Repairs

- Do not attempt any repair. The scanner contains no serviceable parts. Contact the Uniden Customer Service Center or take it to a qualified repair technician. (Page 25)

Birdies

- Birdies are internally-generated signals inherent in the electronics of the receiver. All radios are subject to receiving undesired signals or birdies. If your scanner stops during Scan mode and no sound is heard, it may be receiving a birdie. Press ***SCAN*** to resume scanning.

TROUBLESHOOTING

If your BC244CLT is not performing properly, try the following steps.

Problem	Solution
■ Scanner won't power up.	■ Check the connections at both ends of the AC Adapter. ■ Turn on the wall switch of your room. You could be using an outlet controlled by the wall switch. ■ Move the AC Adapter to another wall outlet.
■ Poor reception.	■ Check antenna connection. ■ Move the antenna. ■ If the programmed frequency is higher than 406MHz, a shorter antenna length may improve the reception. ■ Relocate the scanner. ■ You may be in a fringe area. This could require an optional multi-band antenna. Check with your dealer or local electronics store.
■ Scan won't start.	■ Press the ***SCAN*** key again. ■ Adjust the Squelch control. ■ Check to see if 30 channels are locked out. If so, unlock the channels as needed.

Problem	Solution
■ Scan won't stop.	■ Adjust squelch to the threshold (Page 11). ■ Check the antenna connection. ■ Check to see if many of the channels are locked out. If so, the scanner has less chance of finding an active channel. ■ Review each channel's frequency to see if it is correct and no memory has been lost. ■ It is possible that none of the programmed frequencies are active at this time.
■ Weather Scan won't work.	■ Adjust squelch to the threshold (Page 11). ■ Check the antenna connection. ■ It is possible that there are no active stations within range.

If you still cannot get satisfactory results and want additional information, or to return the unit for service, please call the Uniden Parts and Service Division at the number shown below.

At Uniden, we'll take care of you!

If you need any assistance with this product, please call our Customer Hotline at:

1-800-297-1023

PLEASE DO NOT RETURN THIS PRODUCT TO THE PLACE OF PURCHASE.

Our Uniden representatives will be happy to help you with any matters regarding the operation of this unit, available accessories, or any other related matters.

TECHNICAL SPECIFICATIONS

Certified in accordance with FCC Rules and Regulations Part 15 Sub-part C as of date of manufacture.

Band Coverage:	10 bands
Frequency Coverage:	29.0-29.7 MHz 10 Meter Amateur Band
	29.7-50.0 MHz Low Band
	50.0-54.0 MHz 6 Meter Amateur Band
	137-144 MHz Military Land Mobile
	144-148 MHz 2 Meter Amateur Band
	148-174 MHz VHF High Band
	Above bands in 5 kHz steps
	406-420 MHz Federal Government
	420-450 MHz 70cm Amateur Band
	450-470 MHz UHF Standard Band
	470-512 MHz UHF "T" Band
	Above bands in 12.5kHz steps
Sensitivity (nominal)	0.3 µV 29-54 MHz
12dB SINAD:	0.4 µV 137-174 MHz
	0.6 µV 406-512 MHz
Channels:	30
Scan Rate:	Up to 12 channels per second
Audio Output (nominal):	0.85 W @ 10%THD
Power Requirements:	10 VAC using AC-144U AC Adapter
Antenna:	Telescopic (included)
External Jacks:	Antenna jack
	External speaker
	AC 10V power jack
Size:	8.07" (W) x 5.47" (D) x 2.87" (H)
Weight:	1 lb. 6 oz. (without antenna)

Features, specifications, and availability of optional accessories are all subject to change without notice.

ONE-YEAR EXTENDED WARRANTY

Important: Evidence of original purchase is required for warranty service.

WARRANTOR: UNIDEN AMERICA CORPORATION ("Uniden")

ELEMENTS OF WARRANTY: Uniden warrants, for one year, to the original retail owner, this Uniden Product to be free from defects in materials and craftsmanship with only the limitations or exclusions set out below.

WARRANTY DURATION: This warranty to the original user shall terminate and be of no further effect 12 months after the date of original retail sale. The warranty is invalid if the Product is (A) damaged or not maintained as reasonable or necessary, (B) modified, altered, or used as part of any conversion kits, subassemblies, or any configurations not sold by Uniden, (C) improperly installed, (D) serviced or repaired by someone other than an authorized Uniden service center for a defect or malfunction covered by this warranty, (E) used in any conjunction with equipment or parts or as part of any system not manufactured by Uniden, or (F) installed or programmed by anyone other than as detailed by the owner's manual for this product.

STATEMENT OF REMEDY: In the event that the product does not conform to this warranty at any time while this warranty is in effect, warrantor will either, at its option, repair or replace the defective unit and return it to you without charge for parts, service, or any other cost (except shipping and handling) incurred by warrantor or its representatives in connection with the performance of this warranty. Warrantor, at its option, may replace the unit with a new or refurbished unit. THE LIMITED WARRANTY SET FORTH ABOVE IS THE SOLE AND ENTIRE WARRANTY PERTAINING TO THE PRODUCT AND IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES OF ANY NATURE WHATSOEVER, WHETHER EXPRESS, IMPLIED OR ARISING BY OPERATION OF LAW, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OR PAYMENT OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow this exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

LEGAL REMEDIES: This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This warranty is void outside the United States of America.

PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY: If, after following the instructions in the owner's manual you are certain that the Product is defective, pack the Product carefully (preferably in its original packaging). The Product should include all parts and accessories originally packaged with the Product. Include evidence of original purchase and a note describing the defect that has caused you to return it. The Product should be shipped freight prepaid, by traceable means, to warrantor at:

Uniden America Corporation
Parts and Service Division
4700 Amon Carter Blvd
Fort Worth, TX 76155
(800) 297-1023, 8 a.m. to 5 p.m., Central Time, Monday through Friday

BACK COVER